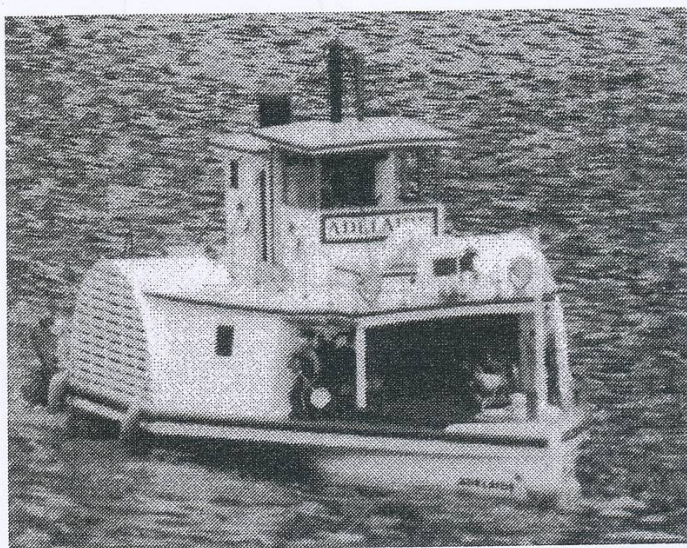
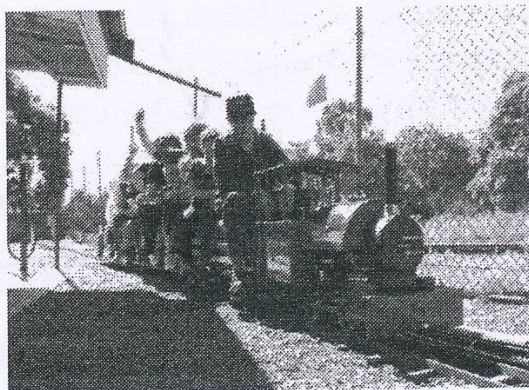


**SOUTH AUSTRALIAN SOCIETY OF MODEL
& EXPERIMENTAL ENGINEERS**

The Official Journal of

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**The South Australia Society of
Model & Experimental Engineers Inc.**



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(This bulletin is issued for information only}

HAPPENINGS

A roundup of SASMEE events, news and other things.

Editors note.

Discussion over the past months has seen the introduction of a Member's Only area in the SASMEE WEB Site. This area is working well and has become a means of communication amongst members. One of the justifications for the inclusions within the Site is to be able to publish the Bulletin online. This can only be achieved if you have a computer and have registered your Email address into the system. A situation also arises for Members who do not have a computer or wish to have a hard copy of the Bulletin posted.

In February this year I loaded a Bulletin onto the website which proved a bit of a failure, some Members received it, others did not. This may have been a technical failure on my part. A limited number of hard copies were produced but only serviced those people who attended a meeting.

My action for this issue is to print out a hard copy for all members regardless if they are on the website or not so everyone will get a copy. This will advise members that there is a Member's Web site and they might like to register or, they may want to continue to receive a copy of the Bulletin for whatever reason. Over time it is hoped that a number can be reached of those members who would like a hard copy, which can either be collected or mailed out as against the number who are happy to read it on line and print out their own copy if so inclined. Right now the numbers are unknown.

Included in this edition are a few catch-up news items and photographs of past and recent events.

Adelaide Royal Show. 2018.

The 2018 Royal Show was well supported with a selection of Steam. Diesel and Rolling stock for a total of eleven being displayed. The standards were high which gave the passing crowd added interest. Persons manning the stand during the show duration reported a range of questions from the admiring public. Most noteworthy was the inclusion of exhibits from both the Morphett Vale Club and Regency park. Their inclusion was greatly appreciated and hopefully this will continue and so take up the opportunity to showcase their models.

At a followup meeting attended by a SASMEE representative the Royal Show Committee discussed and reached a decision the following. con'td

The 2019 program classes will be:-

Steam Locos, all gauges, Diesel Locos, all gauges. Rolling stock, all gauges. Road vehicles, Maximum 3" scale.

Factors effecting the inclusion of exhibits is that partial built exhibits are not acceptable for display by the Royal Show Executive.

With the additions to the range of models available space could present a problem. This subject will be discussed closer to entry form dates.



Past Events.

The Club grounds were hired out to a member of the public for a private birthday party on September 16th. This proved to be a good revenue earner as well as the afternoon feature of 4 small battery electric locos with 7 riding trucks attached hauled 37 passengers with ease.

Westminster School had a run day on Wednesday the 24th of November.

Channel 9 had their Xmas party on the 9th of December. This was the second year in a row. Once again club members supported the booking.

The SASMEE Xmas party was held in the club grounds in December with the Texas Bull Machine providing an enjoyable dinner.

The Annual Show of Work was held in November. Cont'd

The following members displayed:-

Bob Smith:- A copper boiler and wheel castings for a Great Western "Grange" class Loco.

Alan Saunders:- A 25th Scale "Fremantle" class patrol boat.

Ted Dreschler:- A 5" gauge "Simplex" with parts and rollers.

Allan Wallace:- 3.5" gauge "Rob Roy"

Max Shuard:- Restored 5" gauge "Blowfly" converted from 0-4-0 to 0-4-2.

Kingsley Martin:- Four-wheeled, double stack container wagon with containers in 5".

Bran Homann:- 3D printed patterns and castings for a BHP "Baldwin" 2-8-2 Mikado.

Bill Coles:- Partially built "Howell V4 petrol engine.

The Annual Auction took place after the October meeting hosted by Ian Thomas. The contents of Ralph Ollerenshaw's workshop were auctioned at the December meeting. The amount of items for disposal was large with the auction taking place prior to the general meeting. Ian Thomas extracted the proceeds from the bidders.

A "Halloween" night was organised by the Club for the first Saturday in November. It proved popular with the public and provided the Club with a strong financial result. Many thanks to Michael and Toni Offler for their organising efforts

The play night of January 2019 was a well attended affair with kindred club members in attendance. The evening was well catered for with a well cooked BBQ with an assortment of delights to complete the evening. There was a good deal of rail traffic which ran well into the night. A number of members from the adjacent croquet club joined in the evening.



Boat Pond.

The pond has been a concern for some time mainly find a lasting solution to the alga condition. The situation arises due to weather conditions. Through the relentless efforts of the Wednesday team combined with various trials of chemicals the pond, for the present is clear. The situation of leaf debris settling on the pond floor remains a problem. The current "cocktail" working in the pool is the addition of small fish [100] which as well as feeding on the alga are breeding at a rate, the inclusion of lengths of plastic tubing with entry slots cut i to allow the fish to shelter from airborne birds of prey. A large water wheel scoop combined with the pool side wheel keeps the pool moving, plus the addition of the chemical "Splosh" to contain alga growth. The above combination appears to be doing the job. Dragging of the pond bottom leaf residue is ongoing.



FOUNDRY PATTERNS AT SASMEE.

Article by Bryan Homann.

Following the discovery of advanced termite attention to the rear of the 5inch gauge station building, it was natural to ask if the foundry patterns stored in the first floor room were also effected.

Fortunately, the termites have not gone that far. However, the question asked one Wednesday, if SASMEE really needed to keep them as no-one seemed to want to make use of them.

That raised some comments;

Probably not many members know they exist, much less what is actually up there.

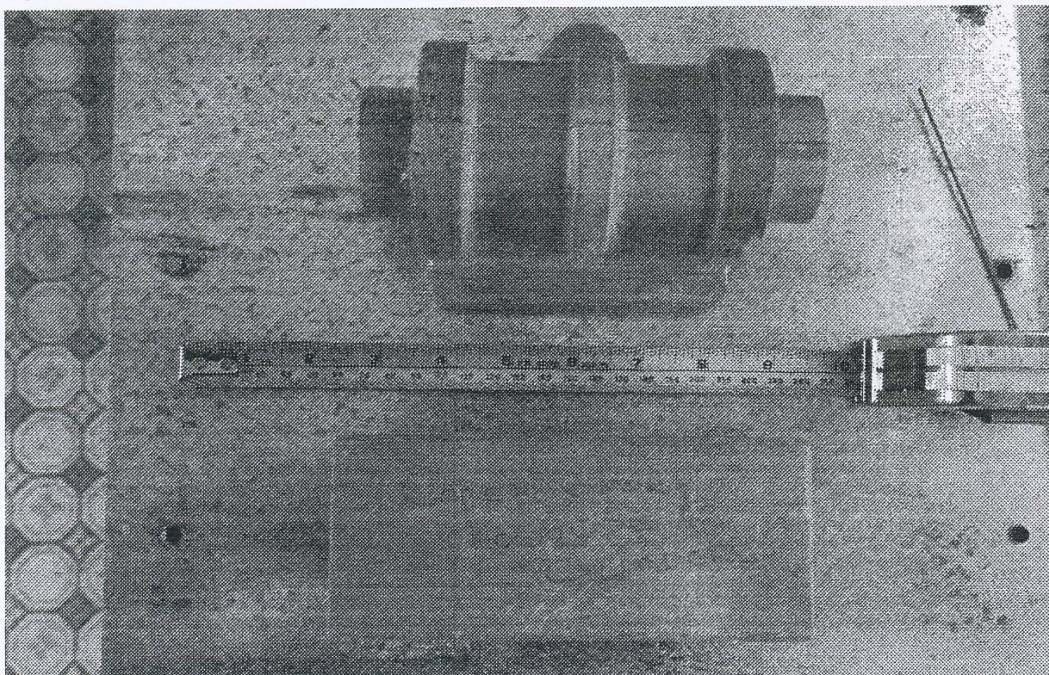
Modern manufacturing processes [such as Laser cutting, 3D printing etc] may have reduced the need for castings.

Commercially produced jobbing casting is pretty expensive.

In response to the first item, I had, some time ago, photographed all the patterns, identifying them where possible. The intent had been to provide a CD for the library. Like all good intentions, I never got around to it. Now that we have a members section up on the SASMEE website, it might be feasible to instead to upload the information so that it is readily available.

I would be interested in receiving members' feed back on both that proposal, and the thought on the necessity to keep the patterns at all, and if not, what to do with them.

There are some patterns specific to SASMEE, such as the finials for the signal posts etc that would have to be on the "keep" list.



BLOW FLY

Article by Max Shuard.



The locomotive and riding truck are now almost complete.

The locomotive needs to be stream tested and commissioned.

The concept then is to have the locomotive stabled at SASMEE Park with a number of nominated members to act as trainers and train any interested members in steam locomotive preparation, driving and maintenance.

This will require a degree of co-operation as the locomotive and riding truck will need to be carefully operated and looked after.

Details of how the training will be conducted in practice are still to be worked out.

I will keep the club informed as to the progress of the testing – watch this space!.

Max.

EXPERIMENTAL BOAT CHALLENGE.

Thoughts by John Foster.

For some time I have been concerned that SASMEE has degenerated into train rides, conventional boats and o/g with little real experimentation and intellectual challenge. Recent discussions amongst some members induced me to resurrect an idea I had some time ago which when suggested to the boaties never got off the ground.

This was for an inexpensive small boat, timed to trial or race across the pond for unconventionally powered boats. The power source to exclude, i.e. engines, steam engines and manufactured batteries. I suggest we could run it on the play night in January. The following year we could try something similar for G gauge.

Suggested Rules for the experimental Boat Challenge.

Aim; to produce an experimental boat capable of one crossing of the SASMEE pond in the least time powered by an unconventional power source.

When to be held; The challenge to be conducted in conjunction with the play night on the 2nd Tuesday of January , 2020.

Unconventional power source;

Any power source that does not derive its power from an internal or external combustion engine or a commercially manufactured battery or a home built battery using lead acid, nickel cadmium or lithium or other materials regularly used in manufacturing batteries. Mechanically raised gas pressure used shall be achieved by hand pump or lung power and not to exceed 140Kpa [20psi]

Steering;

The boats are to be essentially unguided and the following guidance systems are precluded.

- Radio control.

- Trailing electrical cables.

- Trailing optical fibre and

- GPS.

Size;

Length overall shall not exceed 300mm.

If I get enough interest I will seek agreement from the Committee. ps. Initial response via the SASMEE web site looks promising.

Boiler House Update.

The newly installed gas fired boiler has been in steam for a number of field days and with a minor adjustment period has settled down to an established operating protocol. Steam pressure is being maintained at 80psi with a regulated service pressure of 20psi which is the requirement to operate the display engines.

Gas usage is closely monitored with a replacement gas bottle being required after 4 field days of running. As an aside Bernie Dickinson is currently carrying out a required rebuild of a single cylinder launch engine from the model engine display area.

Battery Replacement.

The general meeting agreed to the purchase of replacement batteries for the Club loco "Apprentice" as the new charger revealed that the batteries were too old to be serviced. Cost of the batteries, \$700.00.

Polite notice.

Members working in muddy or soiled areas are asked to wipe their foot-ware before entering the canteen area. Thank you.

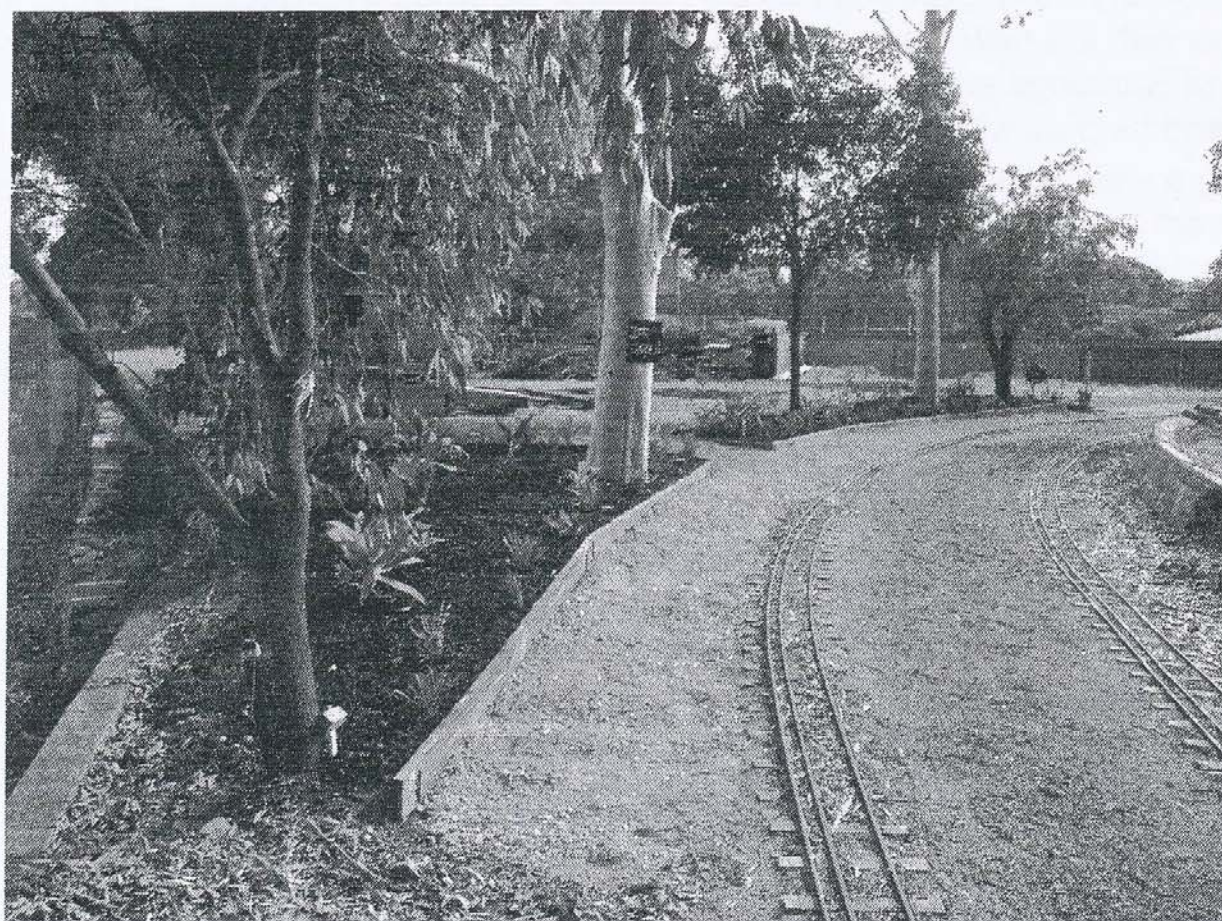
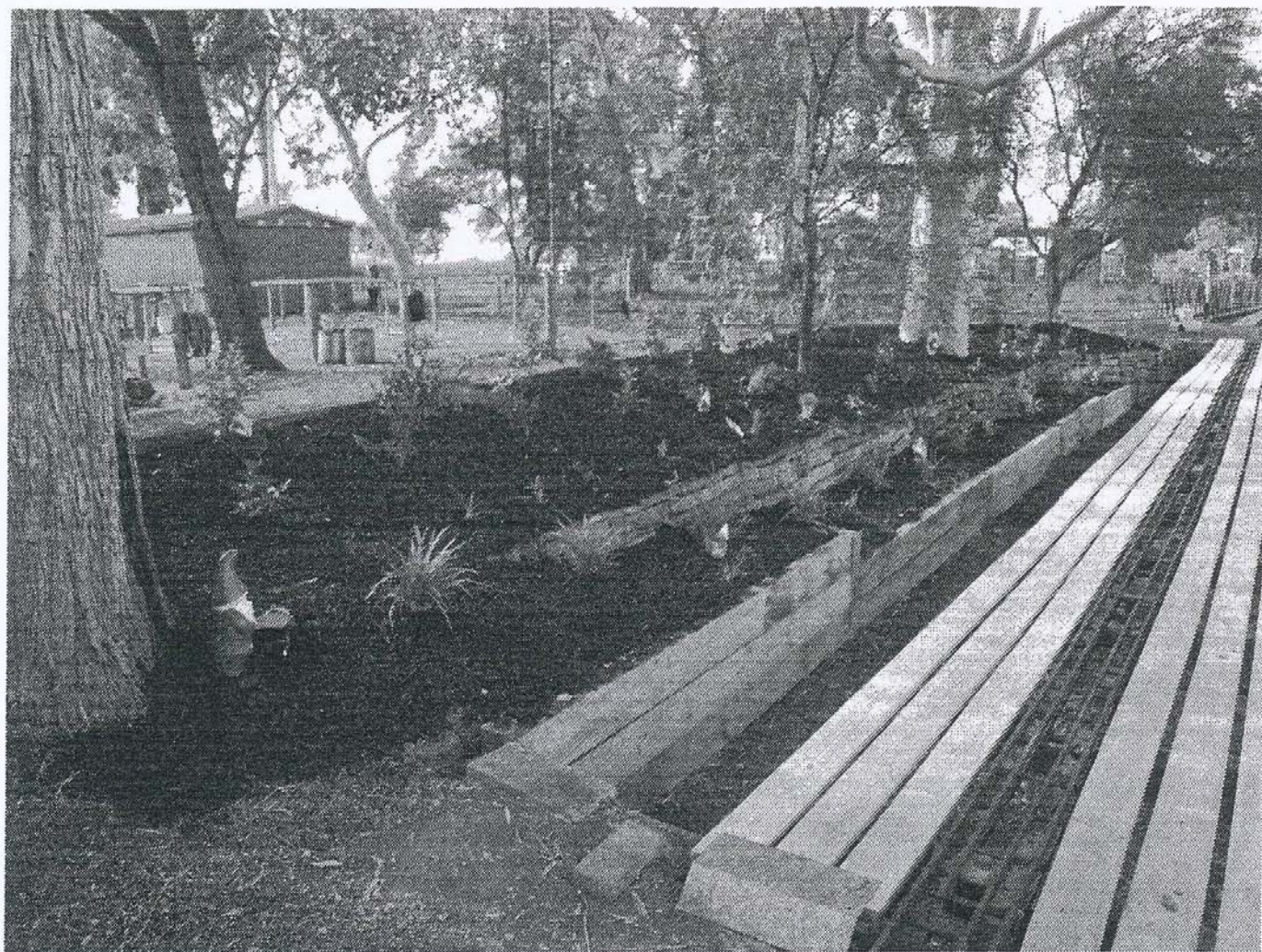
SASMEE- Bunnings Community Project.

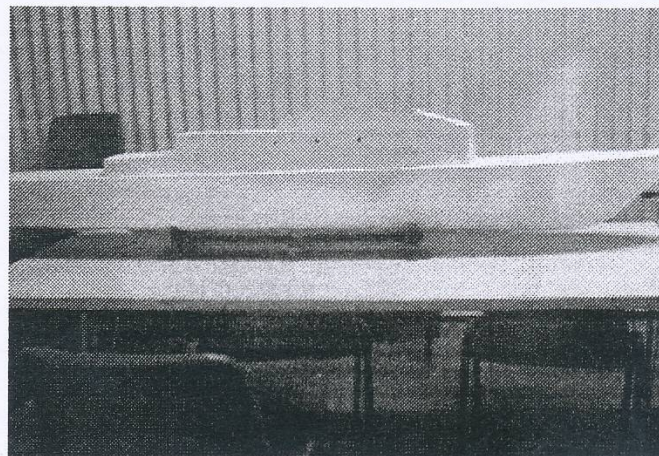
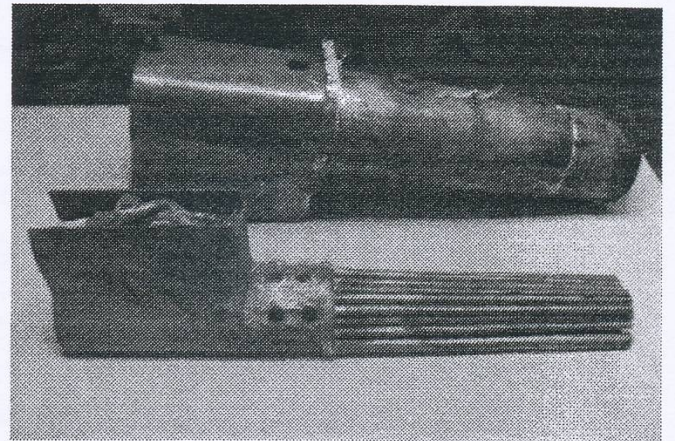
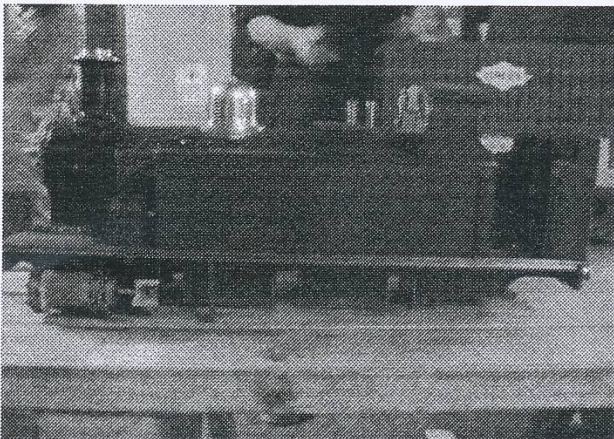
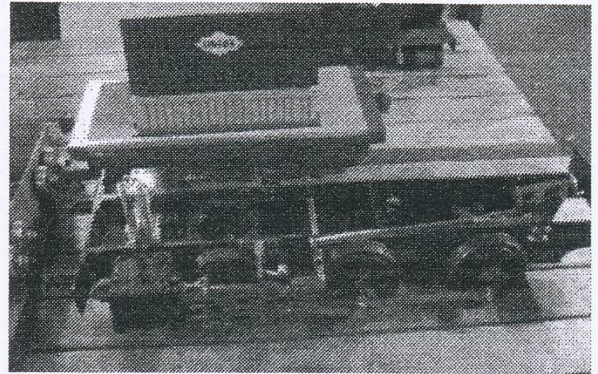
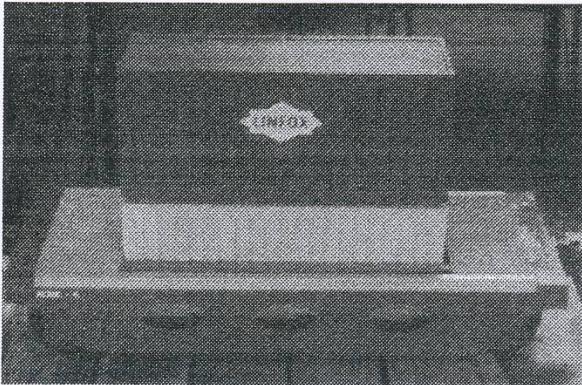
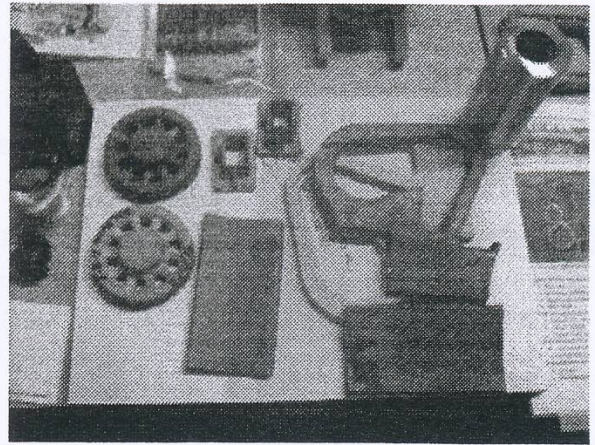
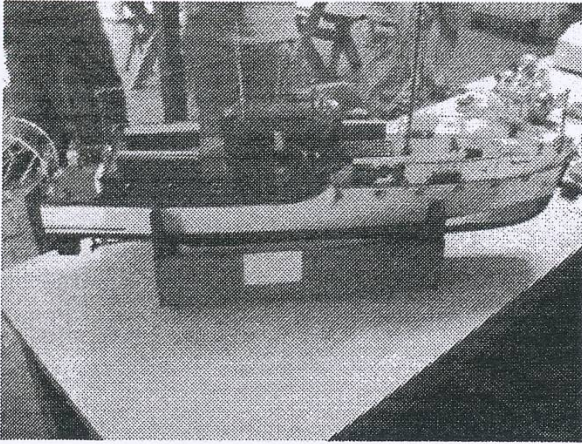
In mid February 2019 Bunnings as part of their Community Projects and in conjunction with its new Edwardstown store approached SASMEE with the possibility of Bunnings supporting us with not only materials but also labour to maintain and help us with the many projects we have on the go.

Following a visit to the SASMEE grounds by their Manager of Community projects team they were impressed with the impact we had in providing a friendly, safe well structured and safe facility for the public. To this end a further meeting was held with the installation and budget/planning team for the new store.

A series of staged introductions were decided upon which resulted in an almost immediate start by the Bunnings team.

A retaining wall alongside the right hand side of the 7.25" bridge with landscaping and appropriate plants, some landscaping of Jeff's Garden and additional plantings. The timbers have been replaced on the long 7.25" bridge. Table and seating in the boat pond shelter plus a 6 burner BBQ replacing our elderly model. The activities by Bunnings will be ongoing with a proposed listing which covers the whole area of SASMEE. These will be undertaken at mutual timings. The forward projection of goods and services proposed by Bunnings is \$45-50k. It is understood that there is no binding or obligation by SASMEE to Bunnings for their Community involvement.





Show of work November 2018

Buildings for the Garden Railway

There are two type of garden railway. The boring type that have track only, where you are expected to ogle at the locomotives and rollingstock. Bridges, tunnels and buildings add a third dimension to the layout and make even a simple circuit much more interesting.

Scale

There is considerable scope in building sizes that will "look right" in the garden railway. This is important as the rollingstock scale can vary considerably. There is however, one item that is important. An out of scale door is a give away. Particularly if it is too small. The natural point of reference is the human figure and if the surroundings don't match the perceived size of a human, even if there are no figures visible, then it just will not look right.

Materials

Because buildings in the garden are subjected to all kinds of weather, the ability to withstand sun and rain is of paramount importance. This precludes many materials available to modellers of indoor railways.

Plastic and wood can be used, but must be sealed against the weather if the building is to be left outside. Ultraviolet protection is particularly important with some plastics. MDF is a definite no. Any moisture ingress and it will swell and disintegrate.

Concrete and metal structures are the most robust for outdoors, although getting the paint to stick can be a challenge. The garden railway buildings at SASMEE are cast using acrylic render and painted with acrylic paints. With all concrete type products it is important to ensure that the concrete is properly cured before painting. This can take several months! An annual coating of waterproof PVC can go a long way the preserving the paintwork.

A good resource is the book *Practical Garden Railways*. Peter Jones. Crowood Press.

Article By Max Shanno.